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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/786,405	02/26/2004	Moon-Heui Lee	46346	4007

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ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P.  
1300 19TH STREET, N.W.  
SUITE 600  
WASHINGTON,, DC 20036

EXAMINER
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LAFORGIA, CHRISTIAN A

ART UNIT	PAPER NUMBER
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2131

MAIL DATE	DELIVERY MODE
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11/05/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/786,405

Applicant(s)

LEE ET AL.

Examiner

Christian La Forgia

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 29 August 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 3-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 3-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 August 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

1. The amendment of 29 August 2007 has been noted and made of record.
2. Claims 3-11 have been presented for examination.
3. Claims 1, 2, and 12-14 have been cancelled as per Applicant's request.

***Response to Arguments***

4. Applicant's arguments, see page 5, filed 29 August 2007, with respect to the drawings have been fully considered and are persuasive. The objection of Figures 1 and 7 has been withdrawn.
5. Applicant's arguments, see pages 5 and 6, filed 29 August 2007, with respect to the specification have been fully considered and are persuasive. The objection of the specification has been withdrawn.
6. Applicant's arguments with respect to claims 3-11 have been considered but are moot in view of the new grounds of rejection.

***Claim Rejections - 35 USC § 103***

7. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
8. Claims 3-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Application Publication No. 2002/0106202 A1 to Hunter, hereinafter Hunter, in view of U.S. Patent Application Publication No. 2003/0008662 to Stern et al., hereinafter Stern, and in further view of U.S. Patent No. 7,079,656 B1 to Menzel et al., hereinafter Menzel.
9. As per claim 3, Hunter teaches a method for locking a camera in a portable terminal, the method comprising the steps of:

(2) the portable terminal receiving the data and stopping an operation of the camera (paragraphs 0011-0012, i.e. disabling the camera).

10. Hunter does not teach (1) the cipher apparatus receiving information from the portable terminal, establishing a secret code, and transmitting enciphered data; and (3) the cipher apparatus receiving information reporting a locked state of the camera, and storing and displaying the secret code and a telephone number of the portable terminal.

11. Stern teaches the location policy server receiving information from the portable device and determining a policy for the mobile device based on location information and device information (Figure 3 [blocks 304, 306], paragraphs 0053-0056, 0058, 0059); determining whether the mobile device is adhering to the policy given to the mobile device (Figure 13 [blocks 1304, 1306, 1310], paragraphs 0060, 0082-0084, 104-108), and displaying pertinent information (Figures 5-7, paragraphs 0073-0075).

12. It would have been obvious to one of ordinary skill in the art at the time the invention was made to receive information from the portable terminal, transmit data to the portable device; and receive information reporting a state of the camera, and storing and displaying the secret code and a telephone number of the portable terminal, since Stern states at paragraph 0006 that it allows the system to establish a policy based on the location and user device information thereby allowing high priority users to receive phone calls in dire situations, such as a doctor receiving emergency phone calls (see Stern, paragraphs 0054-0055).

13. Stern does not teach wherein the portable device sends a secret code to the cipher apparatus and wherein the cipher apparatus produces enciphered data to be transmitted to the portable device.

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14. Menzel teaches wherein a mobile device and a base station exchange public keys (drawn to the Applicant's claimed secret code) (column 2, lines 7-19, column 2, lines 48-58) and encrypting the data using the exchanged public keys in subsequent communications (column 2, lines 9-19, column 2, lines 51-58).

15. It would have been obvious to one of ordinary skill in the art at the time the invention was made for a mobile device and a base station to exchange public keys and encrypt the data using the exchanged public keys in subsequent communications, since Menzel states at column 3, lines 3-29 that encrypted communications provide for secure communication between the devices, thereby preventing unauthorized users from intervening in the exchange of information.

16. Regarding claim 4, Hunter teaches wherein step (1) comprises the steps of:  
the apparatus transmitting data obtained from the secret code (paragraphs 0009, 0023, 0038).

17. Stern teaches the apparatus requesting time information and the telephone number of the portable terminal (paragraphs 0012, 0053 i.e. determining user device information wherein the user device is a mobile phone, and the information could include time information as well as the telephone number);

the portable terminal transmitting the time information and the telephone number of the portable terminal (Figure 3 [blocks 304, 306], paragraphs 0053-0056, 0058, 0059);

the apparatus receiving the time information and the telephone number of the portable terminal, establishing the secret code, and enciphering the secret code by means of the time information (Figure 3 [blocks 304, 306], paragraphs 0053-0056, 0058, 0059).

18. Regarding claim 5, Hunter teaches wherein step (2) comprises the steps of:

storing the secret code in the memory of the portable terminal (paragraphs 0011, 0023, 0038, i.e. comparing the signal received to memory in order to decide whether to disable just flash or disable the camera altogether, data stored on a smart card); and

stopping an operation of the image processor (paragraphs 0011-0012, i.e. disabling the camera).

19. Regarding claim 6, Hunter teaches wherein data are exchanged through a cable to lock the camera of the portable terminal (paragraph 0043, i.e. an electrical contact).

20. Regarding claim 7, Hunter teaches wherein data are exchanged wirelessly, to lock the camera of the portable terminal (paragraph 0010, i.e. radio signals).

21. As per claim 8, Hunter teaches method for releasing a locked state of a camera in a portable terminal by means of a cipher apparatus connected to the portable terminal, the portable terminal includes the camera for photographing an image, a memory for storing secret codes, an image processor for processing the photographed image, and a display unit for displaying the processed image, the method comprising the steps of:

(3) the portable terminal receiving data, and comparing the secret code received from the cipher apparatus with one of the secret codes stored in the memory (paragraphs 0013, 0023, 0037, i.e. comparing the received signal to memory or swiping the smart card); and

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(4) enabling the camera to operate when the secret code matches said one of the secret codes stored in the memory (paragraphs 0013, 0023, 0037, i.e. re-enable the camera functions); and

the apparatus transmitting data obtained from the secret code (paragraphs 0009, 0023, 0038).

22. Hunter does not teach enciphering the data, receiving information of the portable terminal, and obtaining a secret code for the locked state of the camera from a database.

23. Stern teaches receiving information regarding the mobile user device (paragraphs 0012,0053) and finding a policy based on the device and location information in a database which is sent to the mobile device (Figures 3 [blocks 304, 306], 4 [blocks 800, 900], paragraphs 0053-0056, 0058, 0059).

24. It would have been obvious to one of ordinary skill in the art at the time the invention was made to receive information regarding the mobile device and obtaining a policy for the camera from a database, since Stern states at paragraph 0006 that it allows the system to establish a policy based on the location and user device information thereby allowing high priority users to receive phone calls in dire situations, such as a doctor receiving emergency phone calls (see Stern, paragraphs 0054-0055).

25. Stern does not teach wherein the portable device sends a secret code to the cipher apparatus and wherein the cipher apparatus produces enciphered data to be transmitted to the portable device.

26. Menzel teaches wherein a mobile device and a base station exchange public keys (drawn to the Applicant's claimed secret code) (column 2, lines 7-19, column 2, lines 48-58) and

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encrypting the data using the exchanged public keys in subsequent communications (column 2, lines 9-19, column 2, lines 51-58).

27. It would have been obvious to one of ordinary skill in the art at the time the invention was made for a mobile device and a base station to exchange public keys and encrypt the data using the exchanged public keys in subsequent communications, since Menzel states at column 3, lines 3-29 that encrypted communications provide for secure communication between the devices, thereby preventing unauthorized users from intervening in the exchange of information.

28. Regarding claim 9, Hunter teaches enabling the image processor to operate (paragraphs 0013, 0023, 0037); and

transmitting information reporting a released state of the camera to the cipher apparatus (paragraphs 0017, 0018).

29. Regarding claim 10, Hunter teaches wherein data is exchanged through a cable to release the locked state of the camera of the portable terminal (paragraph 0043, i.e. an electrical contact).

30. Regarding claim 11, Hunter teaches wherein data is exchanged wirelessly to release the locked state of the camera of the portable terminal (paragraph 0010, i.e. radio signals).

### ***Conclusion***

31. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.



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32. The following patents are cited to further show the state of the art with respect to disabling mobile devices in unauthorized locations, such as:

United States Patent No. 6,738,572 B2 to Hunter, which is cited to show the patent that issued from the publication used to reject claims 1, 2, and 12-14.

United States Patent No. 6,496,703 B1 to da Silva, which is cited to show disabling wireless communication devices.

United States Patent No. 7,039,426 B2 to Naiki, which is cited to show a system for prohibiting the use of a mobile device in unauthorized areas.

United States Patent Application Publication No. 2002/0090953 A1 to Aburai et al., which is cited to show controlling mobile devices in limited use areas.

33. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christian La Forgia whose telephone number is (571) 272-3792.

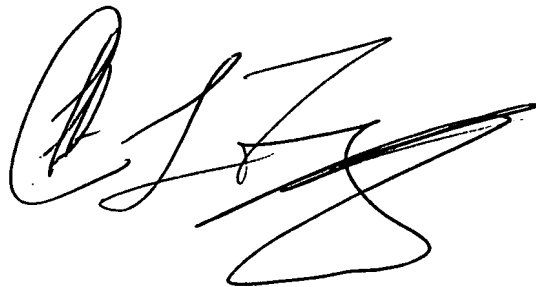
The examiner can normally be reached on Monday thru Thursday 7-5.

34. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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35. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christian LaForgia  
Patent Examiner  
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A handwritten signature in black ink, appearing to read 'CLF', with a large, stylized flourish extending from the end.

clf